

## Slide 1 - EROSION &amp; SEDIMENT CONTROL CERTIFICATION PROGRAM Yellow Card

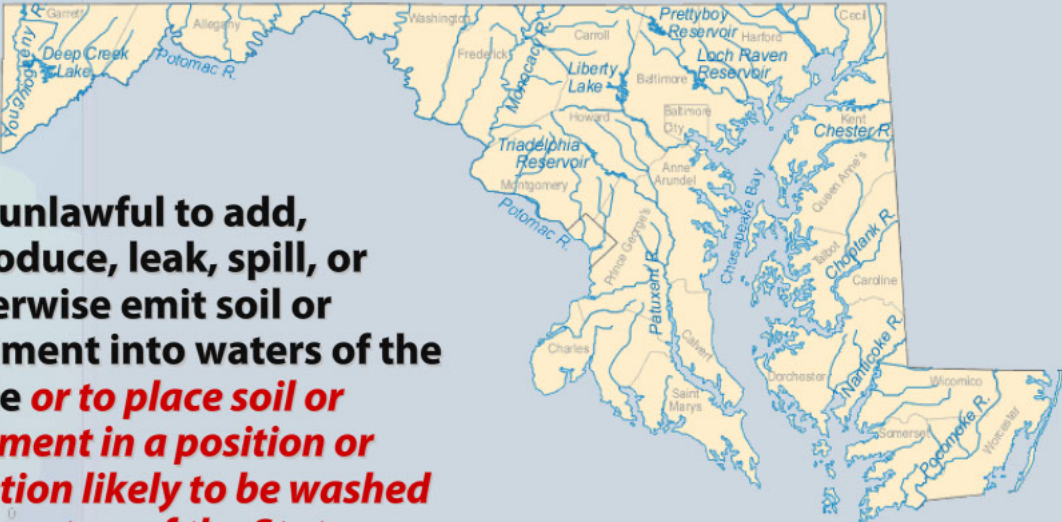


## Slide notes

Welcome to the State Highway Administrations Erosion and Sediment Control Program (Yellow Card). In this training you will learn the many aspects of Erosion and Sediment Control along with Environmental Protection and the Administrations Environmental Stewardship commitment. This section will outline reasons for this certification training and introduce the regulations that set the outline for how this program is to function. As stated on the introduction page of the training, you may move forward to the next slide of the presentation by clicking anywhere on the presentation. This is a self-paced learning, so please take the time to listen to the narrative and also read the information on the screen to gain a full understanding of the content.

## Notes

## Slide 2 - Erosion and Sediment Control Environment Article Title 4, Water Management, §4-413



**Erosion and Sediment Control**  
Environment Article Title 4, Water Management, §4-413

**It is unlawful to add, introduce, leak, spill, or otherwise emit soil or sediment into waters of the State *or to place soil or sediment in a position or location likely to be washed into waters of the State***


The slide features a map of Maryland with various water bodies and reservoirs labeled, including the Potomac River, Chesapeake Bay, and several reservoirs like Tradelphia and Loch Raven. The text is overlaid on the left side of the map.

## Slide notes

The foundation of this program is based on the laws and state regulations related to sediment pollution and waters of the state.

## Notes

## Slide 3 - Federal Regulations



U.S. Department of Transportation  
Federal Highway Administration

**Sec. 650.203 Policy**

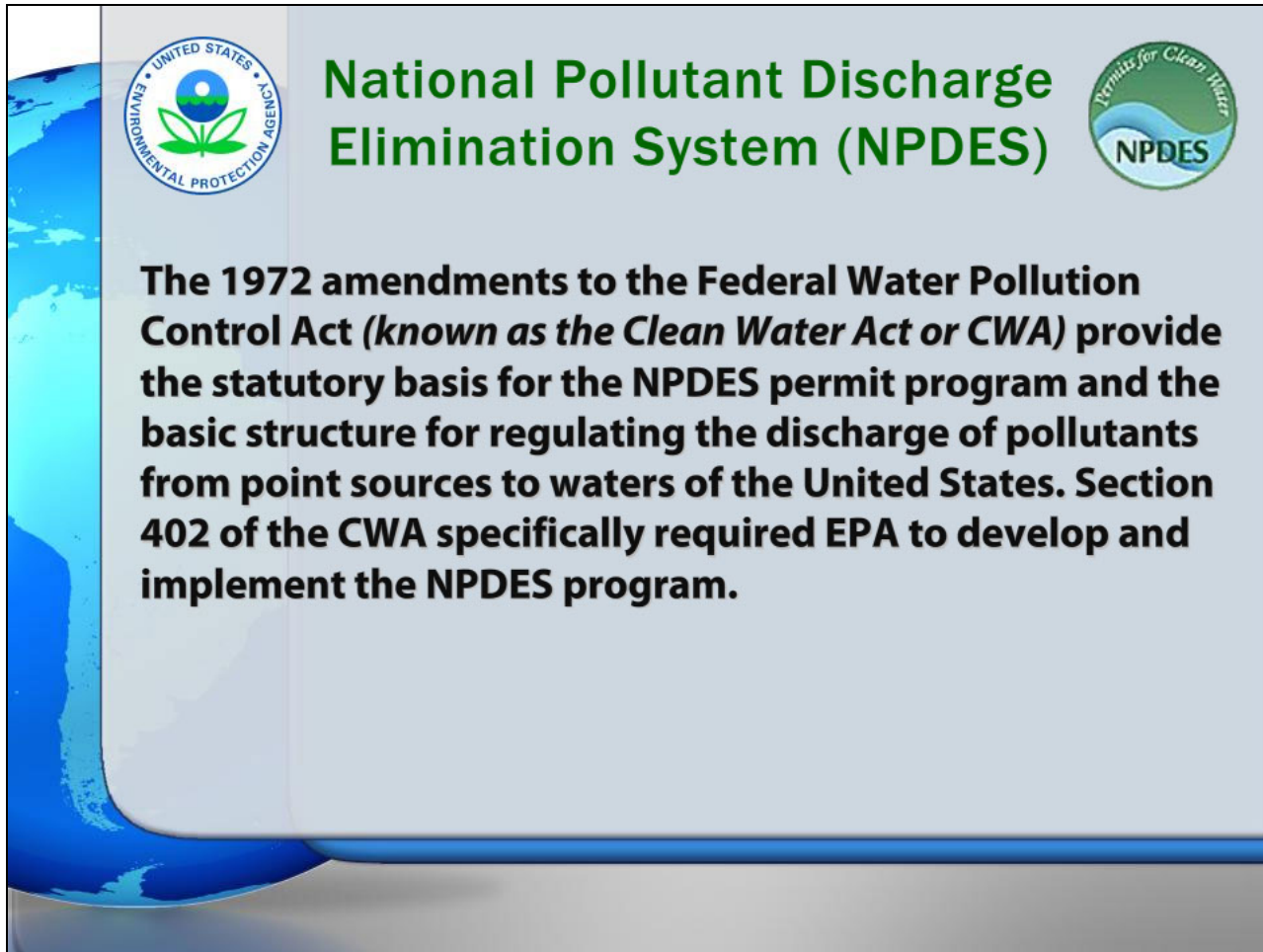
**It is the policy of the Federal Highway Administration (FHWA) that *all highways funded in whole or in part under title 23, United States Code, shall be located, designed, constructed and operated according to standards that will minimize erosion and sediment damage* to the highway and adjacent properties and abate pollution of surface and ground water resources. Guidance for the development of standards used to minimize erosion and sediment damage is referenced in Sec. 650.211 of this part.**

## Slide notes

The federal highway administration also requires that highways be constructed and maintained in an environmentally sensitive manor throughout the country.

## Notes

## Slide 4 - National Pollutant Discharge Elimination System (NPDES)



The slide features a light blue background with a stylized globe on the left side. At the top left is the United States Environmental Protection Agency (EPA) logo. At the top right is the NPDES logo, which includes the text "Permit for Clean Water" and "NPDES". The main title, "National Pollutant Discharge Elimination System (NPDES)", is written in large green letters. Below the title, a paragraph in bold black text explains the 1972 amendments to the Federal Water Pollution Control Act (CWA) and the NPDES permit program.

**National Pollutant Discharge Elimination System (NPDES)**

**The 1972 amendments to the Federal Water Pollution Control Act (*known as the Clean Water Act or CWA*) provide the statutory basis for the NPDES permit program and the basic structure for regulating the discharge of pollutants from point sources to waters of the United States. Section 402 of the CWA specifically required EPA to develop and implement the NPDES program.**

**Slide notes**

The National Pollutant Discharge Elimination System was developed as part of the clean water act. This permit system is designed to regulate the discharge of pollutants from point sources to waters of the United States.

**Notes**



## Slide 5 - Environmental Stewardship

# Environmental Stewardship

- **Containment of concrete cleanout discharge**
- **Containment of machine fluids**
- **Proper disposal of construction debris**
- **Proper disposal of garbage**
- **Develop a spill containment action plan**
- **Tree protection**
- **Habitat protection**
- **Waterway protection**

**Slide notes**

Environmental Stewardship can take many forms beyond abatement of sediment pollution from a construction project. Containment and disposal of fluids and materials and protection of natural habitats and waterways are also a part of the overall goal of helping to protect our environment.

**Notes**

---

---

---

---

---

---

---

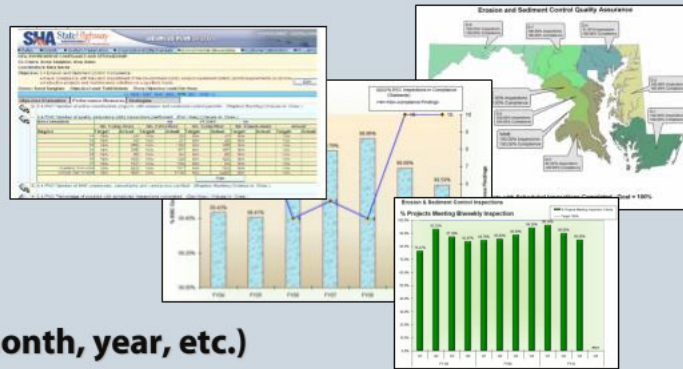
## Slide 6 - Quality Assurance (QA) Program

## Quality Assurance (QA) Program

- The Maryland Department of the Environment (MDE) has delegated “self-inspection” of SHA projects to the QA program.
- The QA Program provides for independent inspections and evaluations of projects.
- A QA review is an objective evaluation of a project’s compliance.

### The QA Program Tracks Projects By:

- Contract
- Contractor
- District
- Inspector
- Frequency of Inspection
- Project Engineer
- By date or time period (month, year, etc.)



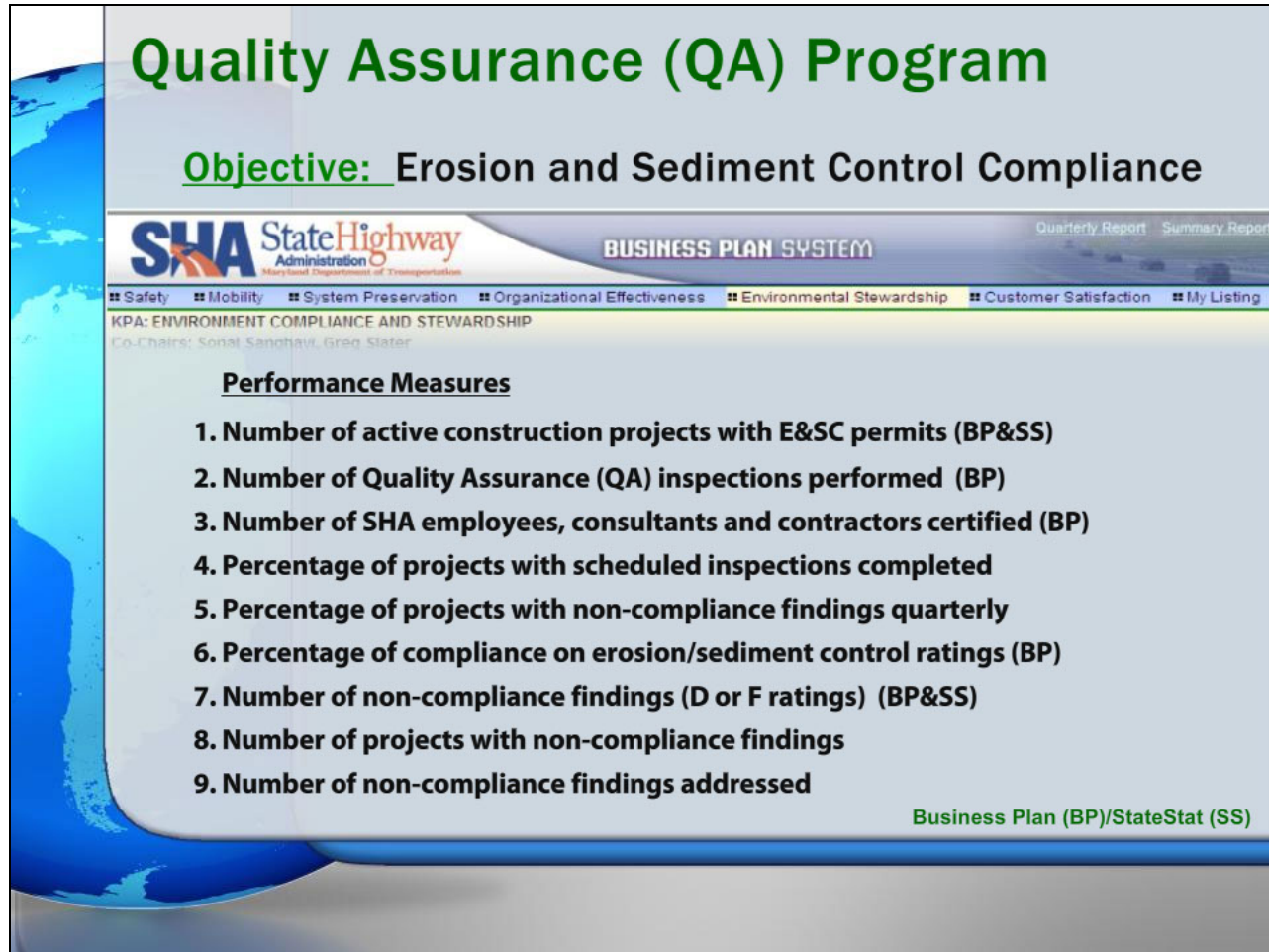
#### Slide notes

The Quality Assurance program was created through an M.O.U between S.H.A and the Maryland Department of the Environment (M.D.E) to provide environmental oversight of construction and maintenance projects. The Quality Assurance program conducts routine project reviews and completes an independent, objective evaluation of the compliance status of that project related to environmental concerns.

The information is tracked in multiple ways through an extensive online database.

#### Notes

## Slide 7 - Objective: Erosion and Sediment Control Compliance



## Quality Assurance (QA) Program

**Objective:** Erosion and Sediment Control Compliance

**SHA State Highway Administration**  
Maryland Department of Transportation

**BUSINESS PLAN SYSTEM** [Quarterly Report](#) [Summary Report](#)

[Safety](#) [Mobility](#) [System Preservation](#) [Organizational Effectiveness](#) [Environmental Stewardship](#) [Customer Satisfaction](#) [My Listing](#)

KPA: ENVIRONMENT COMPLIANCE AND STEWARDSHIP  
Co-Chairs: Sonal Sandhu, Greg Slater

### Performance Measures

1. Number of active construction projects with E&SC permits (BP&SS)
2. Number of Quality Assurance (QA) inspections performed (BP)
3. Number of SHA employees, consultants and contractors certified (BP)
4. Percentage of projects with scheduled inspections completed
5. Percentage of projects with non-compliance findings quarterly
6. Percentage of compliance on erosion/sediment control ratings (BP)
7. Number of non-compliance findings (D or F ratings) (BP&SS)
8. Number of projects with non-compliance findings
9. Number of non-compliance findings addressed

Business Plan (BP)/StateStat (SS)

## Slide notes

The goal of this program is to help S.H.A achieve compliance with Maryland Department of the Environments erosion and sediment control permit requirements on all S.H.A. construction projects and maintenance activities on a quarterly basis. The information is entered into the Administrations business plan and Maryland State Stat. The Business Plan and State Stat are a tracking and reporting system designed to help improve the efficiency and effectiveness of state government. This information is reviewed at the highest levels of the state government.

## Notes

## Slide 8 - Implementing Contract Incentives to Encourage Proactive E&amp;S Control



## Implementing Contract Incentives to Encourage Proactive E&S Control

- **Incentives/ Liquidated damages may apply to projects based on a set criteria i.e., scope of work, E&S and grading items, etc.**
- **Allow incentive / liquidated damages to be prorated throughout the project duration**
- **Base the incentive / liquidated damages on an objective parameter such as the QA inspection checklist**
- **Pay an incentive based on the contract size & the number of E&S items included in the project**

**Slide notes**

With an objective system of compliance evaluation, the Administration implemented a system of liquidated damages and incentives payments. These items are directly related to the environmental impact and risk of the project. Liquidated damages and incentives are a part of the contract documents and the payment system for that contract.

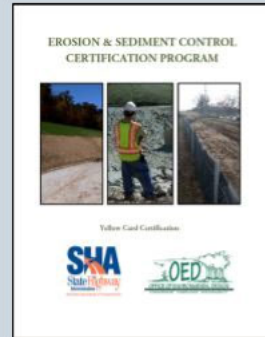
**Notes**



## Slide 9 - Training &amp; Certification for Designers, Contractors &amp; Inspectors

## Training & Certification for Designers, Contractors & Inspectors

- **Pilot Training was held on December 8 & 9 2004 for inspectors and contractors. To date we have certified over 4,000 people in the industry.**
- **Emphasize more practical application such as conducting an effective preconstruction meeting, proper installation & maintenance of controls, required procedures for initiating a permit modification, & things to look for during inspections**
- **Certification required for Superintendents and Erosion and Sediment Control Managers (ESCM) on SHA projects.**
- **Require recertification every 3 years**
- **Recertification is available online.**



### Slide notes

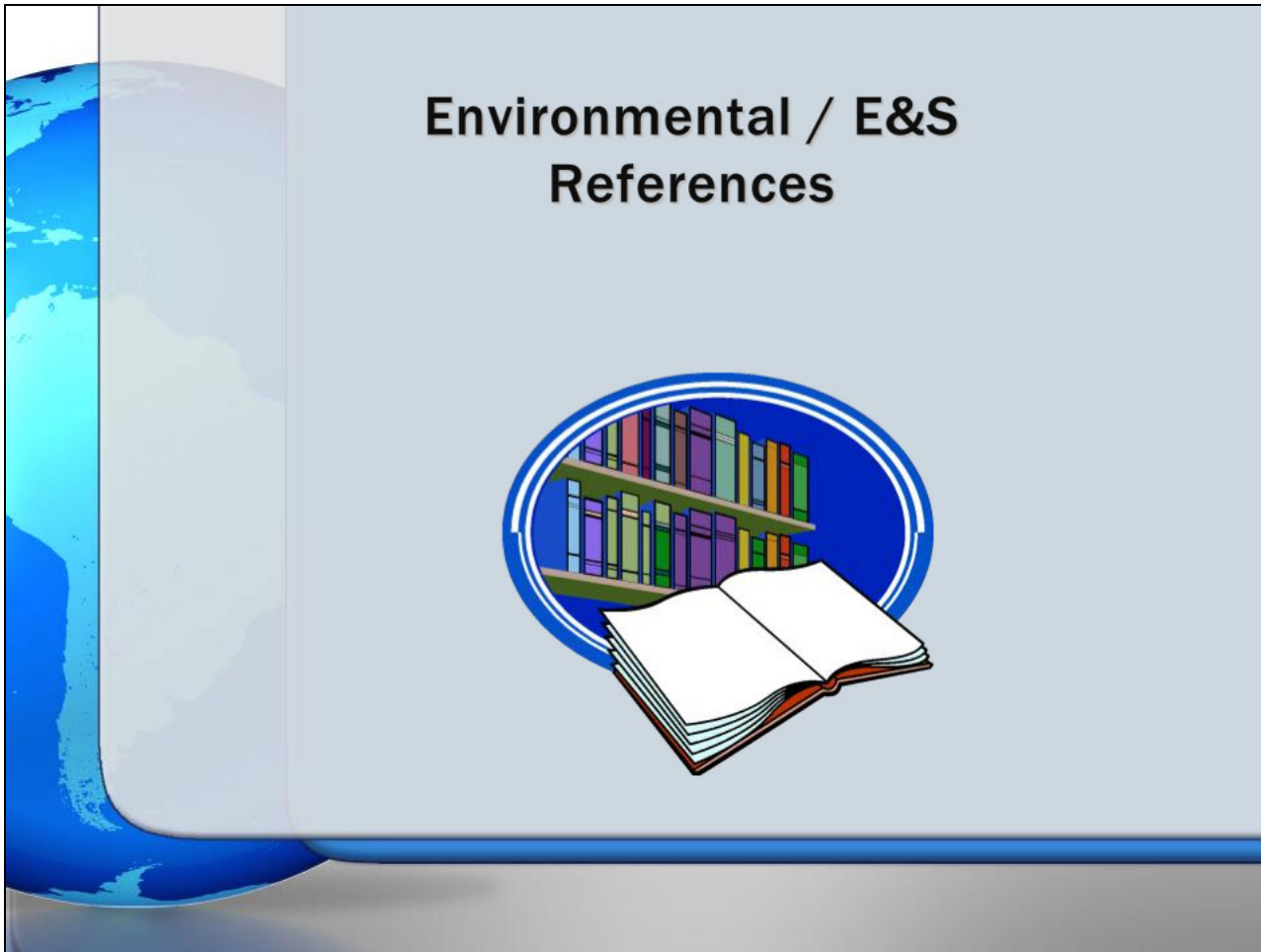
The Yellow Card training has been conducted for nearly a decade and has trained individuals from local governments to the federal level. State Employees, consultants and private contractors have attended the classes, which are conducted on a regular basis. As you will see in the training, this certification is required for certain individuals on an Administration project.

Enhancements to the training are continuing as the regulations related to the environment continue to change.

The Administration is committed to a policy of environmental stewardship and the goal of the training you are about to see is to help you gain an understanding of what you can do to help everyone continue to succeed in that challenge

### Notes

## Slide 10 - Environmental / E&amp;S Reference Use

**Slide notes**

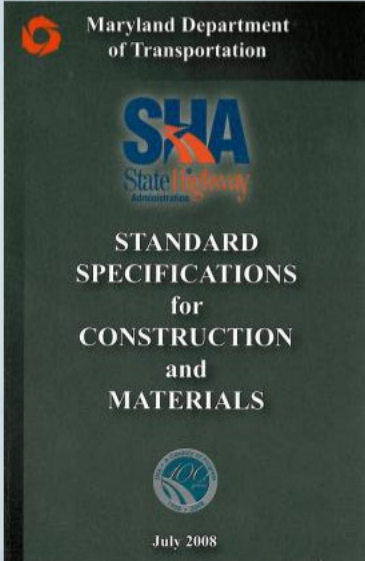
The Q.A. program continues to move forward with an emphasis on outreach and training, part of this effort includes the development of reference materials and guides to help individuals in the field to better understand what is necessary to comply with the many specifications and regulations related to environmental protection.

We will now consider environmental erosion and sediment control reference use. With changing regulations it remains important to stay updated with current reference material. The following reference materials will be mentioned throughout the training modules.

**Notes**

## Slide 11 - 2008 Specifications

## 2008 Specifications



### TC-3.01 GOVERNING ORDER OF CONTRACT DOCUMENTS

The Contract Documents, including but not limited to the Standard Specifications, the Special Provisions Inserts, the Plans, Special Provisions, and all supplementary documents are essential parts of the Contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In the event of any discrepancy between the drawing and figures written thereon, the figures, unless obviously incorrect, will govern over scaled dimensions. In the event of any discrepancy between the various Contract Documents, the governing order from highest to lowest shall be Special Provisions, Plans, Special Provisions Inserts, and Standard Specifications.

General Provisions will govern over all Contract Documents unless expressly provided for in the Contract.

**Slide notes**

The standard specifications are the baseline that a contract is built upon.

It is important to understand the hierarchy of contract documents.

The governing order of the contract documents from highest to lowest is,  
Special Provisions included within the IFB / Invitation for Bid (The Contract).

Plans,

Special Provision Inserts,

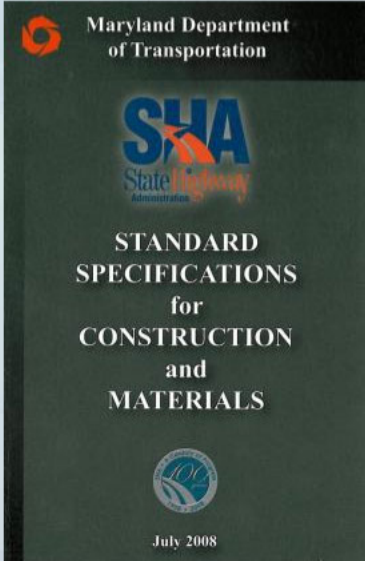
Standard Specifications.

The General Provisions will govern over all contract documents unless expressly provided for in the contract.

**Notes**

Slide 12 - 2008 Specifications

# 2008 Specifications



Maryland Department of Transportation

**SHA**  
State Highway Administration

STANDARD SPECIFICATIONS  
for  
CONSTRUCTION  
and  
MATERIALS

July 2008

**SECTION 101 — CLEARING AND GRUBBING**

**SECTION 107 — CONSTRUCTION STAKEOUT**

**SECTION 120 — TREE PRESERVATION AREA**

**SECTION 203 — BORROW EXCAVATION**

**SECTION 308 — EROSION AND  
SEDIMENT CONTROL**

**CATEGORY 700  
LANDSCAPING**

Slide notes

These sections contain environmental information that needs to be reviewed and understood in order to achieve full environmental compliance on a project.

Notes

---

---

---

---

---

---

---



## Slide 13 - Onsite Documents

**Field Guide for Erosion and Sediment Control**

This field guide is intended to serve as a supplemental document to the 2011 Maryland Standards and Specifications for Soil Erosion Sediment Control and Maryland SHA Standard Specifications for Construction and Materials

**SHA**  
State Highway Administration  
Maryland Department of Transportation

**OED**  
OFFICE OF ENVIRONMENTAL DESIGN  
STEWARDSHIP • COMPLIANCE • SUSTAINABILITY

Version X – January 2013

**2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control**

December 2011

Maryland Department of the Environment  
Water Management Administration  
in cooperation with:  
Natural Resources Conservation Service  
and  
Maryland Association of Soil Conservation Districts

**MARYLAND**  
DEPARTMENT OF THE ENVIRONMENT

**2000 MARYLAND STORMWATER DESIGN MANUAL VOLUMES I & II**

PREPARED BY:  
CSC ENGINEERING  
UNDER THE SUPERVISION OF:  
AND THE  
MARYLAND DEPARTMENT OF THE ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION  
2000 BRIDGING HIGHWAY • BALTIMORE, MARYLAND 21224  
(410) 473-3543 • 1-800-453-6130 <http://www.mde.state.md.us>

**308.01.02 Standards and Specifications.** Construct and maintain the erosion and sediment control measures and devices in accordance with the latest Maryland Department of the Environment (MDE) Erosion and Sediment Control and Stormwater Management regulations, “Maryland Standards and Specifications for Soil Erosion and Sediment Control”, “Maryland Stormwater Design Manual, Volumes I and II”, “SHA Field Guide for Erosion and Sediment Control”, and as specified in the Contract Documents. Keep a copy of the latest “Maryland Standards and Specifications for Soil Erosion and Sediment Control” on the site at all times. Where details differ from the MDE Standards and Specifications and the SHA Field Guide, use the details from then Field Guide.

## Slide notes

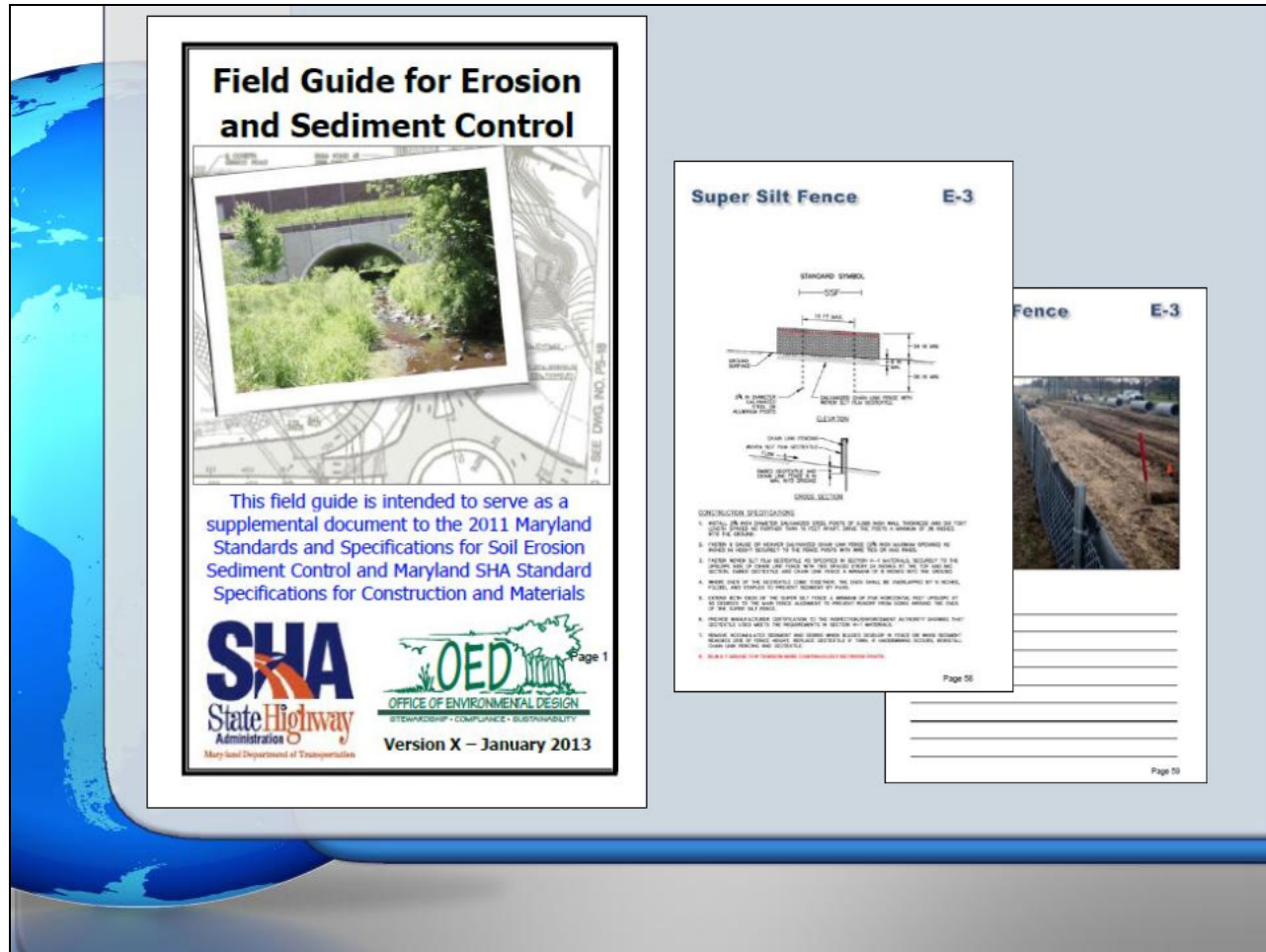
There are multiple guides that are required to be on a project site for reference.

If there are discrepancies among the various contract documents, remember the hierarchy of those contract documents as discussed earlier. If there are details for E&S controls included in the plans, they govern.

As stated in the 2008 specifications, when there is a difference between the M.D.E. specifications and the SHA E and S Field guide, the field guide is the reference document to be utilized. The intent of the field guide is to provide the most up to date changes related to E and S controls.

## Notes

## Slide 14 - SHA Erosion & Sediment Control Field Guide



## Slide notes

The SHA E and S field guide may include detail changes that exceed the M.D.E minimum specifications. This document should be referenced at all times when installing or maintaining E and S controls on a State Highway project.

## Notes

---

---

---

---

---



## Slide 16 - Environmental Guidelines for Construction Activities

The image shows a presentation slide titled "Slide 16 - Environmental Guidelines for Construction Activities". The slide features a large graphic on the left with a blue background and a central circular image showing a construction site with a yellow excavator. Below this graphic is the title "ENVIRONMENTAL GUIDELINES FOR CONSTRUCTION ACTIVITIES" and the text "Maryland State Highway Administration September 2010". The SHA logo is also present.

On the right side of the slide, there is a preview of a document page titled "Environmental Guidelines for Construction Activities". The page contains a section titled "13. FREQUENTLY ASKED QUESTIONS" with several numbered questions and answers. The questions cover topics such as permit requirements, environmental impact, and construction practices. The page number "34" is visible at the bottom right of the document preview.

**ENVIRONMENTAL GUIDELINES FOR CONSTRUCTION ACTIVITIES**

Maryland State Highway Administration  
September 2010

**SHA**  
State Highway  
Administration  
Maryland Department of Transportation

**Environmental Guidelines for Construction Activities**

**13. FREQUENTLY ASKED QUESTIONS**

1. What do I need to do prior to starting work? Are there any pre-construction activities I need to have in place?

2. Before your contract documents, Contractor is required to submit an EASC schedule within 14 days of Notice of Award. All permits must be in hand, Department and EASC must be identified and accompanying verification must be submitted, and an EASC review must be held. Special conditions to either the state or Federal permits may require additional submittals.

3. What do I need to do when the project is in above-curt phase?

4. Review your project for the environmental requirements/conditions of the authorizations and contract documents. Fill out all required forms with help from the supporting offices/branches and submit as required. Refer to the Environmental Project Close-out Checklist in this document. After a new COCCT form will need to be completed.

5. What forms do I need, and how do I submit them?

There are several forms that can be used with regard to environmental issues. The daily inspection form produced by the contractor (EASC) is not an SHA form and contractors may find it more useful when permitted. The minimum required information. SHA requires SHA forms: COCCT, COCCT-L, COCCT-L, COCCT-L, COCCT-L, and COCCT-L as found in the table.

6. How do I know what permits I need and which permits do I have to obtain before I start construction?

How do I get additional permit time do I get permit modifications?

How to SHA, the Lead Office along with Highway Hydrologic Division and Environmental Programs Division have performed extensive coordination with various agencies, such as MDE, CDE, etc. to ensure the required permits contained in contract documents. Any remaining permits should be noted and added prior to any work. The contractor is usually responsible for additional submittals/permits required based on how they intend to do the work pending activities such as but not limited to: borrow material, waste material, staging, dewatering, and bank phase construction/operation. These additional permit requests are forwarded to the appropriate agencies per the contract documents.

The Highway Hydrologic Division is responsible for obtaining permit modifications for EASC permits. SHA form COCCT-L should be used to request modifications. Environmental Programs Division is responsible for obtaining form and related related and necessary permit modifications.

7. What steps do I need to take when I am at the final meeting/acceptance phase?

How to SHA establish plans, the Construction Project Engineer should have completed Landmark Operations to verify a District Management Plan approach. In accordance with the final submittals requirements of the contract (Section 701) and the District Management Plan the contractor should be directed to complete the work. From receiving EASC requests on the project shall return to place and proper verification has been received.

8. I have hazardous material associated with my job? Are there special steps I have to take?

Before locations will need to be located in accordance with the Standard and Specifications for Construction and Materials Section 211, including identification of the location site from one of the three identified methods.

If the contractor is removing fill from the site (waste material), their disposal location must be authorized to receive the material. Authorization comes from MDE and the local County/State Director will submit a site EASC plan. SHA personnel used to receive trip tickets from local waste offices.

SHA

34

|  |              |  |
|--|--------------|--|
| Office of Structures, Engineering Division | 410-343-8070 | Cost Guard permit on issues  |
| Environmental Planning Division (EPLD)     | 410-343-8364 | NEPA/MDOT issues<br>Hazardous, existing structures and archeological resources<br>Perk and recreational facilities<br>RTTI issues<br>Air quality issues<br>Critical Area Construction for Chesapeake and Atlantic Coastal Bays |

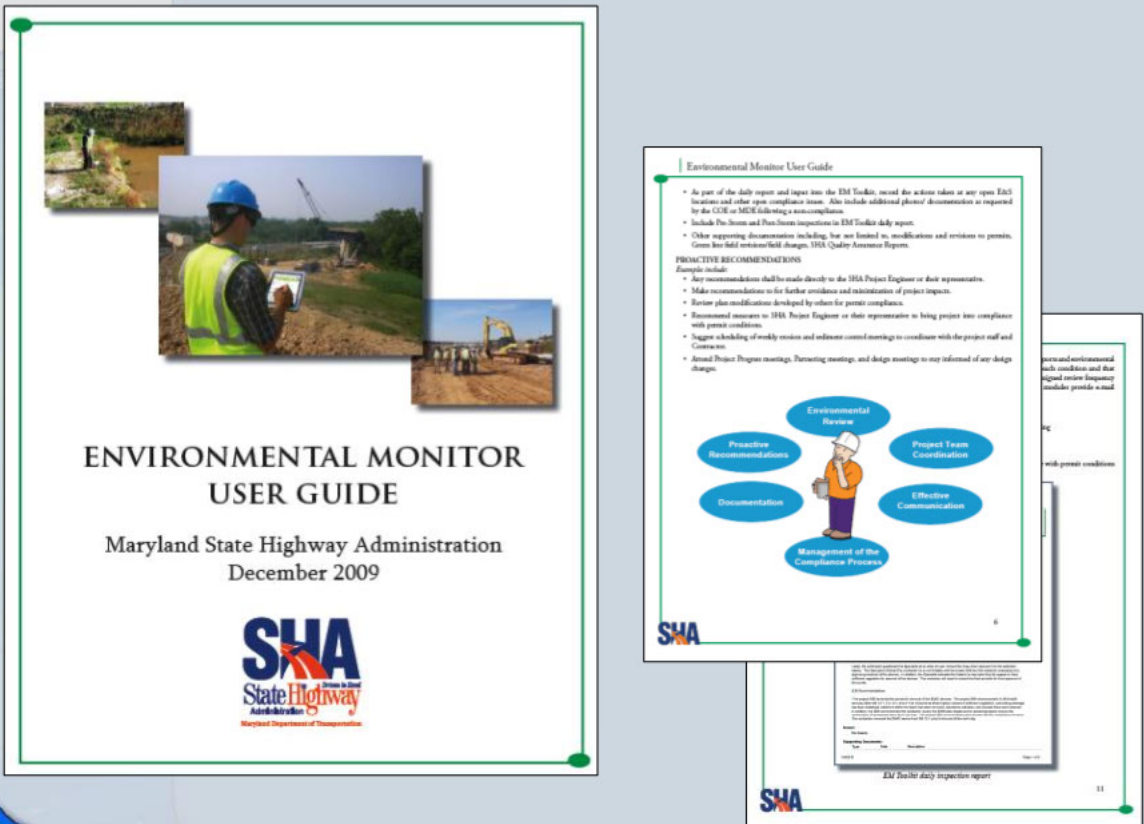
## Slide notes

This document addresses various environmental issues, requirements, contacts, and reference materials. Within this document are the answers to many questions that may arise in the field. If it cannot answer your question, it can direct you to the person or group that can help.

## Notes



## Slide 17 - Environmental Monitor User Guide



The slide displays the cover and two internal pages of the 'Environmental Monitor User Guide' published by the Maryland State Highway Administration (SHA) in December 2009. The cover features three photographs: a person in a hard hat and safety vest looking at a tablet, a construction site with a crane, and a road construction scene. The title 'ENVIRONMENTAL MONITOR USER GUIDE' is prominently displayed, followed by 'Maryland State Highway Administration' and 'December 2009'. The SHA logo is at the bottom.

The first internal page (page 6) is titled 'Environmental Monitor User Guide' and lists key responsibilities of the Environmental Monitor. It includes a bulleted list of tasks such as reviewing daily reports, ensuring compliance with permits, and documenting violations. Below the list is a diagram showing a central figure (a person in a hard hat) surrounded by five interconnected circles: 'Proactive Recommendations', 'Environmental Review', 'Project Team Coordination', 'Effective Communication', and 'Management of the Compliance Process'.

The second internal page (page 11) shows a section titled 'EM Toolkit daily inspection report'. It contains a table with columns for 'Date', 'Location', 'Description', and 'Status'. The table is partially filled with data, including dates like '10/10/10' and '10/11/10', and locations like 'I-95' and 'I-495'. The SHA logo is visible in the bottom left corner.

## Slide notes

This is a reference for Environmental Monitors. This guide helps all stakeholders understand the role of the Environmental Monitor.

## Notes

## Slide 18 - 2011 MDE Specifications



**2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control**

December 2011

Maryland Department of the Environment  
Water Management Administration  
in association with  
Natural Resources Conservation Service  
and  
Maryland Association of Soil Conservation Districts

**MARYLAND**  
DEPARTMENT OF THE ENVIRONMENT

Martin O'Malley, Governor  
Anthony G. Brown, Lt. Governor  
Robert M. Summers, Secretary

1000 Washington Blvd.  
Baltimore, MD 21230  
410-527-2000  
www.mde.state.md.us



**DETAIL E-4 CLEAR WATER PIPE THROUGH SILT FENCE OR SUPER SILT FENCE**

**CROSS SECTION - LOOKING DOWNSTREAM**

**CONSTRUCTION SPECIFICATIONS**

1. INSTALL SILT FENCE OR SUPER SILT FENCE IN ACCORDANCE WITH DETAIL E-1 OR DETAIL E-2.
2. AT THE PIPE LOCATION, CUT AND BACK FILL WITH 1/2 IN. GRAVEL AND COVER WITH 1/2 IN. GRAVEL. THE GRAVEL SHOULD BE AT LEAST THE HEIGHT OF THE FENCE.
3. ENTHUSIA 8 INCH PLYWOOD SHEET A MINIMUM OF 8 INCHES AND SECURE TO THE UPRIGHT SIDE OF THE FENCE STAKES OR POSTS. SHEET SHOULD BE AT LEAST THE HEIGHT OF THE FENCE.
4. PLACE 8 TO 16 IN. STONE OR EQUIVALENT RECYCLED CONCRETE BEHIND THE PLYWOOD SHEET ON NONWOVEN GEOTEXTILE AND EXTEND TO 12 IN. MIN. ALONG TOP OF PIPE AND TO A HEIGHT OF 4 INCHES ABOVE THE TOP OF PIPE.
5. USE NONWOVEN AND WOVEN SUEY FLOW GEOTEXTILES AS SPECIFIED IN SECTION M-1 WATERWAYS.
6. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN SEDIMENT REACHES 6 INCHES IN HEIGHT. REPLACE GEOTEXTILE IF TORN OR UNDERMINED. REPLACE PLYWOOD SHEET, STAKE OR POST, AND RECYCLED CONCRETE IF DISPLACED. KEEP POINT OF DISCHARGE FREE OF DEBRIS.

**MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL**

| U.S. DEPARTMENT OF AGRICULTURE<br>NATIONAL RESOURCES CONSERVATION SERVICE   | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT<br>WATER MANAGEMENT ADMINISTRATION |
|---|------|---|
| 1. 100 LB. OR HEAVIER 1/2 IN. RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH NETS SPACED EVERY 24 INCHES AT TOP, MID SECTION AND BELOW GRADE SURFACE.   |      |   |
| 2. 1/2 IN. RESISTANT 1/2 IN. RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH NETS SPACED EVERY 24 INCHES AT TOP, MID SECTION AND BELOW GRADE SURFACE.  |      |   |
| 3. WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM FACING DOWNSTREAM.   |      |   |
| 4. KEEP FLOW SURFACE ALONG DOWNSTREAM FENCE AND POINT OF DISCHARGE FREE OF DEBRIS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE. REPLACE IMPERMEABLE SHEETING IF TORN, IF JACKETING OCCURS, REPAIR FENCE. |      |   |

**MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL**

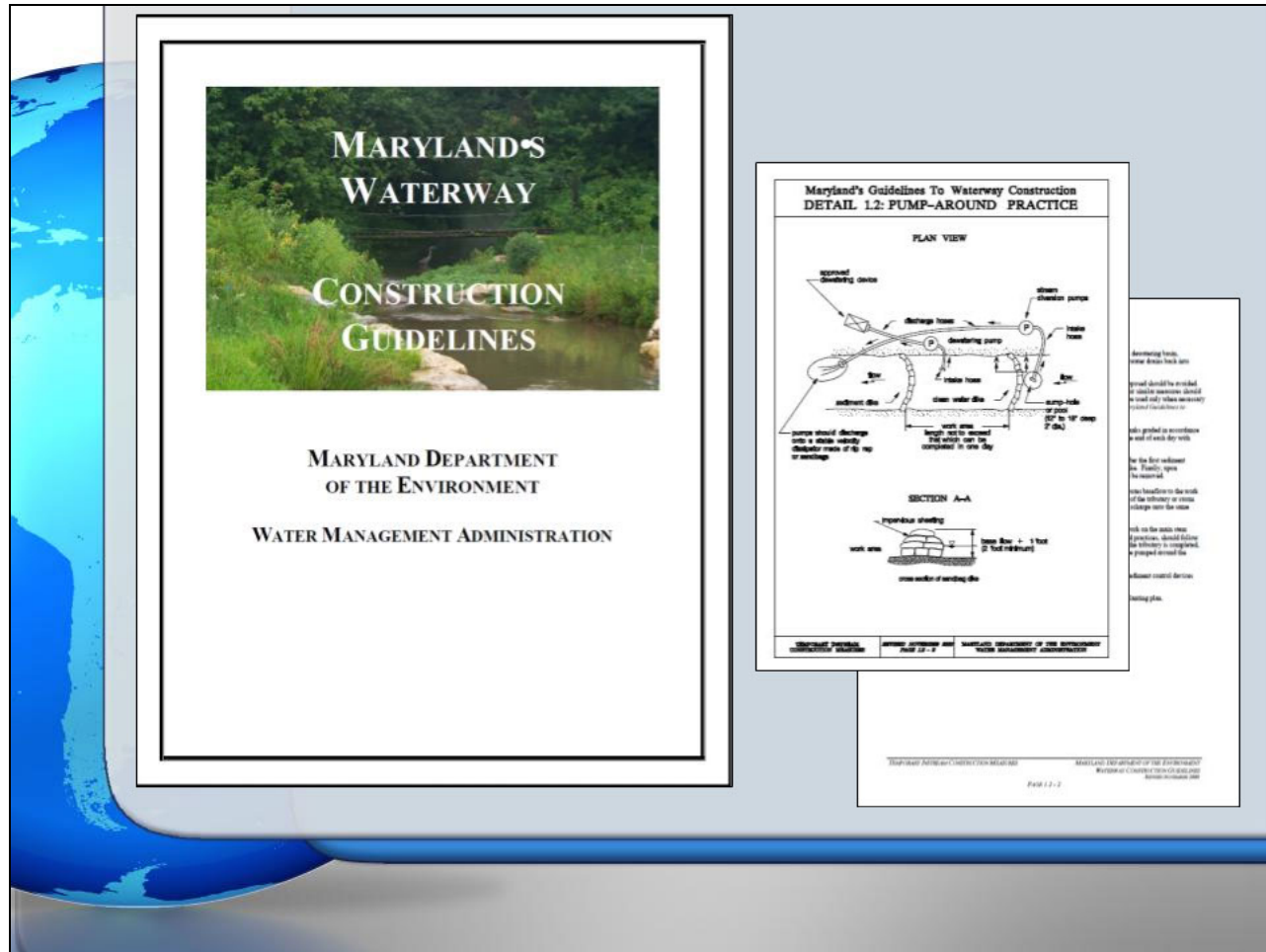
| U.S. DEPARTMENT OF AGRICULTURE<br>NATIONAL RESOURCES CONSERVATION SERVICE   | 2011 | MARYLAND DEPARTMENT OF ENVIRONMENT<br>WATER MANAGEMENT ADMINISTRATION |
|---|------|---|
| 1. 100 LB. OR HEAVIER 1/2 IN. RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH NETS SPACED EVERY 24 INCHES AT TOP, MID SECTION AND BELOW GRADE SURFACE.   |      |   |
| 2. 1/2 IN. RESISTANT 1/2 IN. RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH NETS SPACED EVERY 24 INCHES AT TOP, MID SECTION AND BELOW GRADE SURFACE.  |      |   |
| 3. WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM FACING DOWNSTREAM.   |      |   |
| 4. KEEP FLOW SURFACE ALONG DOWNSTREAM FENCE AND POINT OF DISCHARGE FREE OF DEBRIS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE. REPLACE IMPERMEABLE SHEETING IF TORN, IF JACKETING OCCURS, REPAIR FENCE. |      |   |

## Slide notes

The M.D.E spec book applies to projects as indicated in the general notes of the plans. It includes design guidance, installation details for controls and also the maintenance requirements of those controls

## Notes

## Slide 19 - MD Waterway Construction Guidelines



## Slide notes

The Maryland waterway construction guidelines should be utilized when no specific details are provided on the plans and work is taking place within or adjacent to a waterway. Here you see an example of the correct setup for a pump around operation in a stream.

## Notes

---

---

---

---

---

---

## Slide 20 - Availability

### Standard Forms & Templates

| Search Panel   | Standard Forms & Templates   | Download |
|--|--|----------|
| Link 375   | Natural Resources Conservation Service Link 375 (Final)  | 1/1      |
| Link 375 Final Guide (EWAT)  | Link 375 Final Guide for Erosion and Sediment Control  | 1/1      |
| Environmental Guidelines for Construction Activities                       | Link Environmental Guidelines for Construction Activities (Rev 2010)                           | 1/1      |
| Environmental Guidelines for Maintenance Activities                        | Link Environmental Guidelines for Maintenance Activities (Rev 2010)                            | 1/1      |
| Environmental Studies User Guide   | Environmental Studies User Guide (Rev 2009)  | 1/1      |
| General NPDES Permit Number MDE10  | General Permit For Stormwater Associated With Construction Activity                            | 1/1      |
| Inventory Log  | Sample of a Log for tracking QA reports and meetings   | 1/1      |
| Integrated Vegetation Management Manual For Maryland Highways              | Link Vegetation Management Manual (Rev 2008)   | 1/1      |
| MDE Erosion and Sediment Control Guidelines for State and Federal Projects | MDE E&S Guidelines Used for project planning (1998/2004)                                       | 1/1      |
| MDE Risk Specifications  | 1998 Maryland Standards and Specifications for Soil Erosion and Sediment Control               | 1/1      |
| MDE Stormwater Management Guidelines                                       | 2004 Stormwater Management Guidelines for State and Federal Projects (April 15, 2005)          | 1/1      |
| MDE Watershed Control Guidelines   | MDE Watershed Control Guidelines (2005)  | 1/1      |
| NPDES - MDE Inspection Form  | Standard Inspection Form - General Permit for Stormwater Associated with Construction Activity | 1/1      |
| NPDES - MDE NOT  | Notice of Violation  | 1/1      |
| ODOT/SHA Team Guidelines for E&S control meeting                           | Additional talking points to cover at the entire E&S meeting                                   | 1/1      |
| ODS 86   | Erosion and Sediment Control Field Investigation Report  | 1/1      |
| ODS 87 (1-11)  | Grass and Sediment Control Field Investigation Report (1-1-11)                                 | 1/1      |
| ODS 87   | Independent Quality Assurance E&S Report (20-06)   | 1/1      |
| ODS 87 (1-11)  | Independent Quality Assurance E&S Report (1-1-11)  | 1/1      |
| ODS 87   | Independent Quality Assurance E&S Report (Rev 2007-01)   | 1/1      |

## E&S Resource CD 2013

**OOC 60 (3/10/04 CD 07220.300.01)**  
**OOC 60 (7/1/11 CD 07220.300.01)**  
**OOC 61 (9/2/05 CD 07220.300.01)**  
**OOC 61 (7/1/11 CD 07220.300.01)**  
**OOC 62 (3/01/04 CD 07220.300.01 CM 7210.300.01)**  
**OOC 63 (3/01/04 CD 07220.200.01 & .02)**  
**NPDES General Permit**  
**NPDES Inspection Form**  
**DEM User Guide**  
**SHA Environmental Guidelines for Construction Field Guide for ESC DRAFT 2009**  
**Best Management Practices**  
**1994 MDE Standard and Specs**  
**2011 MDE Standard and Specs**  
**OED/EPD Quality Assurance Team Guidelines for E&S meeting**

## Slide notes

These reference materials are available in multiple ways including, the S.H.A intranet, the Q.A toolkit and on the Resource C.D. available from your Regional Environmental Coordinator.

## Notes

---

---

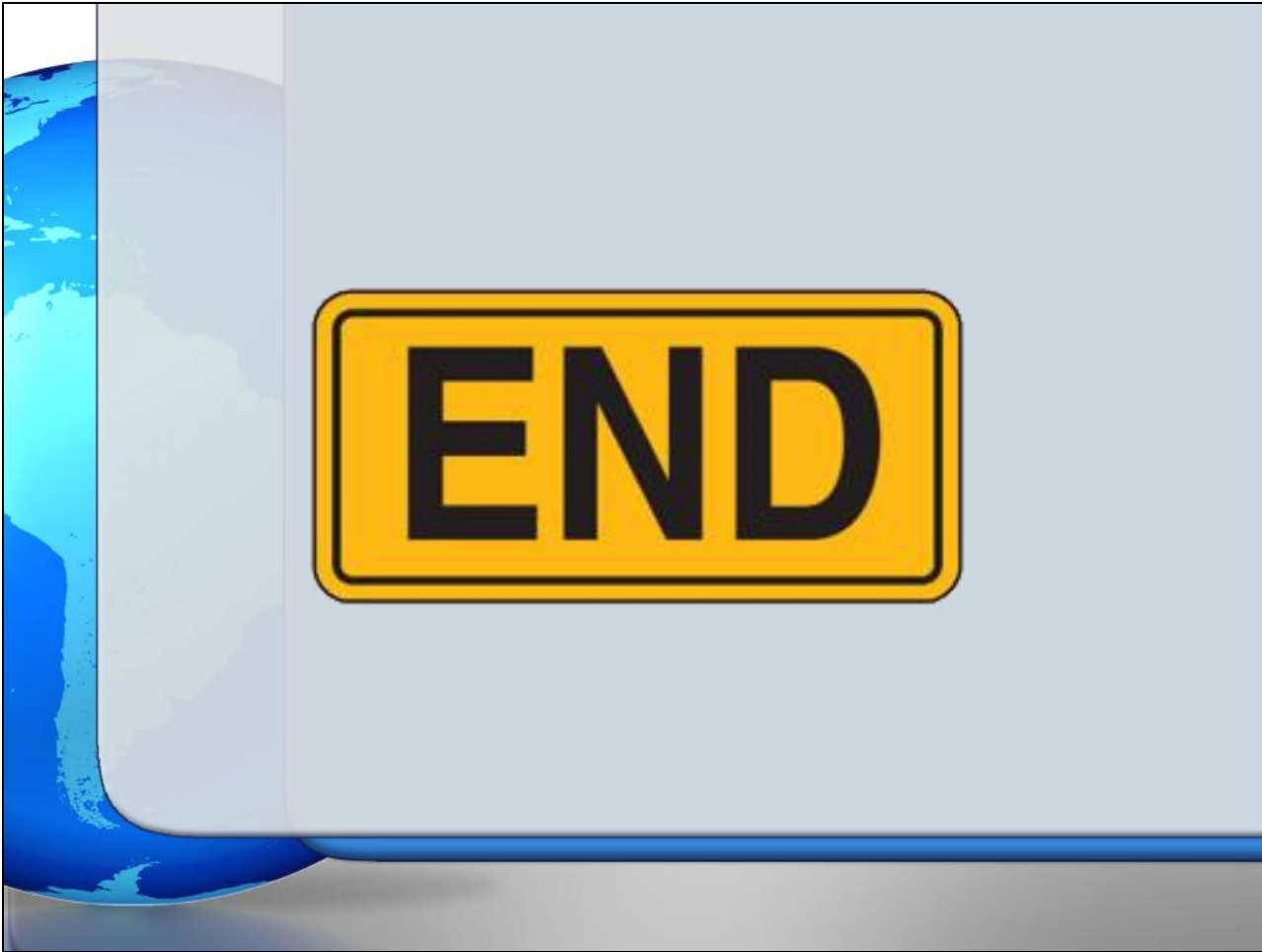
---

---

---



Slide 21 - End



Slide notes

This concludes the Environmental Stewardship and reference section of the training. Please continue with the next module of the training by selecting it from the menu on the left side of your screen.

Notes

---

---

---

---

---

---

---